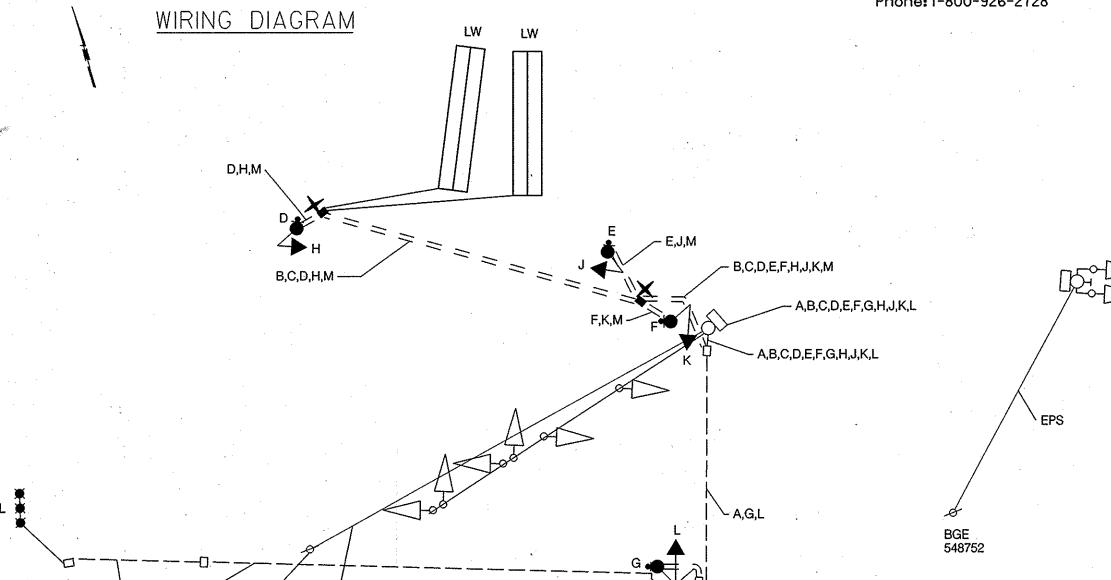
PROJECT DESCRIPTION

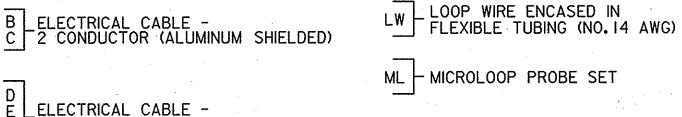
THIS PORTION OF THE PROJECT INVOLVES THE REPLACEMENT OF PRESENCE AND SET BACK DETECTION ON MD 108 EASTBOUND AND HOWARD HIGH EXIT SOUTHBOUND AT THE INTERSECTION OF MD 108 (OLD ANNAPOLIS ROAD) AND THE WEST EXIT FROM HOWARD HIGH SCHOOL IN HOWARD COUNTY. MD 108 WILL BE WIDENED TO PROVIDE A CONTINUOUS AUXILIARY RIGHT TURN LANE IN THE WESTBOUND DIRECTION ON MD 108 BETWEEN THE INTERSECTIONS OF PHELPS LUCK DRIVE/ CENTRE PARK DRIVE AND THE WEST EXIT FROM HOWARD HIGH SCHOOL. APS AND COUNTDOWN LED PEDESTRIAN SIGNAL HEADS WILL ALSO BE INSTALLED ALONG THE EAST LEG OF MD 108 AND THE NORTH LEG OF THE WEST EXIT FROM HOWARD HIGH SCHOOL. ALL EXISTING TRAFFIC SIGNAL HEADS WILL REMAIN. MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE SIDE STREET ALTERNATIVE PHASE WILL REMAIN AND A CONCURRENT MAINLINE PEDESTRIAN PHASE WILL

HARNESSES SHALL REMAIN. A 2-WIRE CENTRAL CONTROL UNIT SHALL BE INSTALLED.

CONTROLLER REQUIREMENTS THE EXISTING POLE MOUNTED CONTROLLER, LOOP DETECTOR AMPLIFIERS, AND ASSOCIATED





EPS - EXISTING POWER SOURCE

J ELECTRICAL CABLE -K 5 CONDUCTOR (NO.14 AWG)

ELECTRICAL CABLE 2 CONDUCTOR (NO.14 AWG)

A MICROLOOP PROBE, 1000 FOOT LEAD-IN CABLE

PROPOSED GROUND ROD - 3/4 INCH DIAMETER X IO FOOT LENGTH.

M -NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon Assistant District Engineer - Traffic Phone: 301-624-8140

Ms. Andrea Abend Assistant District Engineer - Utility Phone: 301-624-8115

Mr.Ray Johnson Assistant District Engineer - Maintenance Phone: 301-624-8105

Mr. Richard L. Daff Sr. Chief, Traffic Operations Division Phone: 410-787-7630

Mr. Edward Rodenhizer Chief, SHA Signal Shop Phone: 410-787-7652

The Power Company Representative is: Baltimore Gas and Electric Company 7317 Parkway Drive South Hanover, MD 21076 Phone: 410-859-9062

Colonial Pipeline Company Phone: 1-800-926-2728

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
973023	3 SF	SHEET ALUMINUM SIGNS:
,		2 EA - RIO-4(I), (9 IN. X I2 IN.) POLE MOUNT, "PUSH BUTTON TO CROSS OLD ANNAPOLIS RD."
		2 EA - RIO-4(I), (9 IN. X I2 IN.) POLE MOUNT, "PUSH BUTTON TO CROSS

HOWARD HIGH EXIT"

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

DESCRIPTION

NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

	ITEM NO	QUANTITY	DESCRIPTION
	203030	4. CY	TEST PIT EXCAVATION
	585620	625 LF	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC
	,		PAVEMENT MARKINGS
	585624	45 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC
			PAVEMENT MARKINGS
	655120	40 SF	DETECTABLE WARNING SURFACE
	800000	I EA	2-WIRE CENTRAL CONTROL UNIT
	800000	4 EA	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
	800000	4 EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON
	800000	LS	REMOVE AND DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
	801004	4 CY	CONCRETE FOR SIGNAL FOUNDATION
	802501	180 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
	805011	35 LF	I INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE
	/ 805135	80 LF	3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
	805[55	80 LF	4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED
	805160	I5 LF	I INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
	810555	I EA	MICROLOOP PROBE - 1000 FOOT LEAD-IN CABLE
	811001	2 EA	ELECTRICAL HANDHOLE
	818005	3 SF	INSTALL OVERHEAD SIGN
	837001	4 EA	10 FOOT BREAKAWAY PEDESTAL POLE
	860284	2 EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
	861104	305 LF	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
	861105	320 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
	861107	330 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
٠	862101	945 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
	862102	290 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

PHASE CHART

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PHASE 2 & 6	G	G	FL/Y	FL/Y	G	G	R	R	W	W	DW	DW	•
PHASE 2 & 6 PED. CLEARANCE	G	G	FL/Y	FL/Y	G	G	R	R	FL/DW	FL/DW	DW	DW	
PHASE 2 & 6 CHANGE	Υ	Ϋ́	FL/Y	FL/Y	Y	R	R	R	DW	DW	DW	DW	•
PHASE 4	R	R	FL/Y	FL/Y	R	R	G	G	DW	DW	DW	DW	
PHASE 4 CHANGE	R.	R	.FL/Y	FL/Y	R	R	Y	` Y	DW	DW	DW	DW	H
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STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY

TRAFFIC ENGINEERING DESIGN DIVISION MD 108 (OLD ANNAPOLIS ROAD) AND WEST EXIT FROM HOWARD HIGH SCHOOL

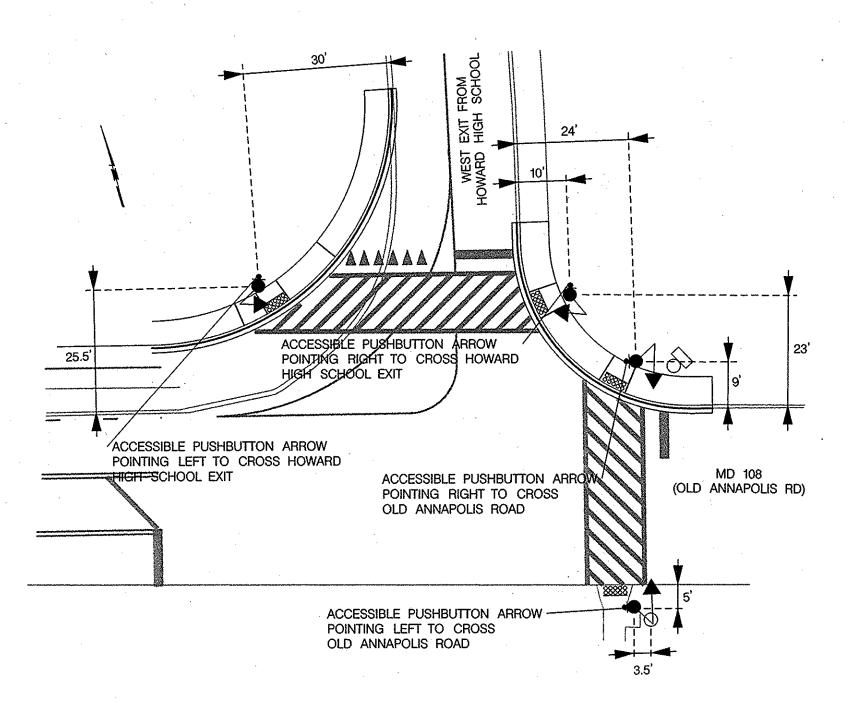
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CHECKED BY	BAB	Т.	I.M.S. NO). <u>H157</u>	•
F.A.P. NO		то	D NO		

SHEET NO. 12 OF 12

DRAWING NO. TS-3249B-GI OF

PROPOSED PEDESTAL POLE AND APS DETAIL LAYOUT



STV Incorporated

7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

PLOTTED: FRIDAY, JUNE 16, 2006 AT 01:34 PM FILE: I:\PROJECTS\0312513\0312513_0018\DRAWINGS\TRA\INSERT\HHS\PSG-P001_MD108.DGN